

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MATERIAL SPECIFICATION
MS-210: “AGGREGATE FILTERS”

210.1 SCOPE

This specification governs the quality of aggregates used for filter materials in drainage systems for subsurface field drainlines, structural drains and/or foundation drains.

210.2 QUALITY

The aggregates shall conform to the durability requirements of ASTM C-33.

210.3 GRADATION

The gradation shall conform to the requirements for the fine aggregates of ASTM C-33, unless otherwise specified on the drawings.

Gradation for ASTM C-33 fine aggregates:

<u>Standard Sieve Size</u>	<u>Percent of Material Smaller Than</u>
3/8 inch (9.5 mm)	100
#4 (4.75 mm)	95 to 100
#8 (2.36 mm)	80 to 100
#16 (1.18 mm)	50 to 85
#30 (0.60 mm)	25 to 60
#50 (0.30 mm)	10 to 30
#100 (0.15 mm)	2 to 10

210.4 HANDLING

Equipment and methods shall prevent segregation of sizes or intermixing with other materials.